| Inde | ex of C | Haims |  |
|------|---------|-------|--|
|      |         |       |  |

| Application No. | Applicant(s)      |  |
|-----------------|-------------------|--|
| 10/608,718      | EMERY, RICHARD D. |  |
| Examin r        | Art Unit          |  |
| DiLinh Nguyen   | 2814              |  |

| R j cted | - | (Through numeral)<br>Canc II d |
|----------|---|--------------------------------|
| Allowed  | + | Restricted                     |

| N | Non-El ct d  | i | A | Appeal   |
|---|--------------|---|---|----------|
| ı | Interference |   | 0 | Objected |

| CI   | mic                   | Date     |                      |          |          |          |   |          | Claim Date |          |  |               |              |              |              |          | ]                    |          | CI       | aim      | Date     |    |  |            |          |          |              |          |          |                                     |          |                 |          |
|--|-----------------------|----------|----------------------|----------|----------|----------|---|----------|------------|----------|--|---------------|--------------|--------------|--------------|----------|----------------------|----------|----------|----------|----------|----|--|------------|----------|----------|--------------|----------|----------|-------------------------------------|----------|-----------------|----------|
|  |                       |          |                      |          |          |          |   |          |            |          |  | $\overline{}$ |              |              |              |          |                      | T        | T        |          |          | I  |  |            |          |          |              |          |          |                                     |          |                 |          |
| Final  | Original              |          |                      |          |          |          |   |          |            |          | Final  | Original      |              |              |              |          |                      | 1        |          |          |          |    | Fina   | Original   |          |          |              |          |          |                                     |          |                 |          |
|  |                       | $\vdash$ | $\dashv$             | 一        | $\dashv$ |          |   | $\dashv$ |            | $\dashv$ | -  | 51            | 1            | Н            | Н            |          | +                    | 7        | 十        | 十        | -        | ı  |  | 101        |          | Н        | ┪            |          |          |                                     |          | $\exists$       |          |
|  | 7                     |          | $\Box$               | 寸        |          |          |   | $\neg$   |            |          |  | 52            |              |              |              |          |                      | $\Box$   | 1        | 1        |          | 1  |  | 102        |          |          |              |          |          |                                     |          | $\Box$          |          |
|  | 3                     |          |                      |          |          |          |   |          |            |          |  | 53            |              |              |              |          |                      |          | $\perp$  | $\perp$  |          |    |  | 103        |          |          |              |          |          |                                     |          |                 | _        |
|  | 4                     |          | $\Box$               |          |          |          |   |          |            |          |  | 54            |              |              |              |          | $\Box$               | _        | $\bot$   | $\perp$  |          |    |  | 104        |          | Ц        | _            |          |          | _                                   | Ц        | _               |          |
|  | 5                     |          | $\Box$               | _        | _        |          |   | Ц        | Ц          | $\Box$   |  | 55            | ╙            | Ш            | Ц            |          | _                    | 4        | 4        | +        | _        |    |  | 105        | L.       | Ш        | _            | -        | _        | _                                   | _        | 4               | $\vdash$ |
|  | 6                     | П        | 4                    | _        | _        |          | Ш |          |            | Ц        | <u> </u>   | 56            | ╙            | Н            |              | _        | 4                    | 4        | 4        | 4        | -[       |    |  | 106<br>107 | Н        | Н        | _            | _        |          | $\dashv$                            |          | 4               | $\vdash$ |
|  | 7                     | -        | $\dashv$             | ⊣        | $\dashv$ |          | Н | $\dashv$ | -          | $\dashv$ | <u> </u>   | 57<br>58      | ⊢            | Н            |              | $\vdash$ | $\dashv$             | +        | ╬        | +        | -        |    |  | 107<br>10B | $\vdash$ | Н        | -            | $\dashv$ | -        | -                                   | $\dashv$ | $\dashv$        |          |
|  | 8                     | -        | -                    |          | $\dashv$ | Н        | Н | $\dashv$ |            | $\dashv$ |  | 59            | ⊢            | Н            |              | Н        | +                    | ┪        | +        | +        | -        |    |  | 109        | ┝        | Н        | $\dashv$     | -        | -        |                                     | $\dashv$ | $\dashv$        | -        |
|  | 10                    | Н        | $\dashv$             | -        | $\dashv$ |          | Н |          | $\vdash$   | $\dashv$ |  | 60            | ┢            | Н            |              | -        | $\dashv$             | ╅        | ╅        | +        | -        |    |  | 110        | $\vdash$ | Н        | _            |          |          |                                     | $\dashv$ | ᅥ               | _        |
|  | 18                    | Н        | $\dashv$             | $\dashv$ | $\dashv$ |          | Н |          |            | $\dashv$ | $\vdash$   | 61            | ┢            | Н            |              |          | 1                    | _        | +        | $\pm$    | 1        |    |  | 111        | Н        | Н        |              |          |          |                                     | $\neg$   | 一               | Г        |
| _  | 12                    | Н        | _                    | -        | $\dashv$ |          | H | $\Box$   | Н          | $\dashv$ |  | 62            | T            | П            |              | Н        | 1                    | 7        | 7        | 十        | ٦.       |    | _  | 112        | П        | П        |              |          |          |                                     | 一        | $\dashv$        |          |
|  | 13                    | П        |                      |          |          |          |   |          |            |          |  | 63            |              |              |              |          |                      | ╛        | 丁        | I        | ]        | H  |  | 113        |          |          |              |          |          |                                     |          |                 |          |
|  | 1                     |          |                      |          |          |          |   |          |            |          |  | 64            |              |              |              |          |                      | $\Box$   | $\Box$   | $\Box$   |          |    |  | 114        |          |          |              |          |          |                                     |          |                 |          |
|  | 15<br>15              |          |                      |          |          |          |   |          |            |          |  | 65            |              |              |              |          | $\Box$               | $\Box$   | $\Box$   | 1        | _        |    |  | 115        | 匚        |          |              | Ш        | Ш        | $\Box$                              | Ц        | _]              | L        |
|  | 15                    |          |                      | _        |          |          | Ш |          |            |          | L  | 66            | ↓_           | $oxed{oxed}$ | Щ            | Ш        | $\dashv$             | 4        | 4        | 4        | _        |    |  | 116        | _        | Щ        |              | Щ        | Ш        |                                     |          |                 | L        |
| <u> </u>   | 17                    | Ш        | Н                    | _        |          |          | Ш | Ш        |            |          | <u> </u>   | 67            | 1            | lacksquare   | Ш            |          | Ц                    | 4        | 4        | 4        | 4        |    |  | 117        | ļ        | _        |              | ш        |          | Ш                                   | Н        | _               | L        |
| ├—   | <b>1</b> 8            | Н        | Н                    | _        |          | Ш        | Н |          | Щ          |          | ⊢  | 68            | <del> </del> | ⊢            | Н            | _        | $\dashv$             | 4        | +        |          |          |    |  | 118<br>119 | $\vdash$ | H        | _            | -        | -        |                                     | Н        | $\dashv$        | ⊢        |
|  | 19<br>20              | Н        | $\dashv$             | -        | Н        |          | Н | Н        | Н          | $\vdash$ | <u> </u>   | 69            | ╀            | ┝            | Н            | Н        | -                    | ↤        | +        | +        | -        |    |  | 120        | ┡        | Н        | _            | _        | Н        | Н                                   | Н        | $\dashv$        | ⊢        |
|  | 41                    | $\vdash$ | Н                    | $\dashv$ | -        | -        | Н | $\vdash$ | Н          | $\dashv$ | <u> </u>   | 70<br>71      | ┢            | $\vdash$     | Н            | Н        | $\dashv$             | ┪        | $\dashv$ | +        | $\dashv$ |    |  | 121        | ├        | Н        |              | $\vdash$ | Н        |                                     | Н        | $\dashv$        | ⊢        |
|  | <del>2</del> 2        | Н        | Н                    |          | Н        | Н        | Н | Н        | Н          | $\vdash$ | <del></del>                                      | 72            | ╁            | -            | Н            | $\vdash$ | $\vdash$             | $\dashv$ | $\dashv$ | +        | $\dashv$ |    |  | 122        | ┢        | Н        |              | $\vdash$ | Н        | $\vdash$                            | Н        | $\dashv$        | Н        |
|  | ***                   | $\vdash$ | $\vdash$             | _        |          | -        | Н |          | Н          | $\dashv$ |  | 73            | ┢            |              | Н            | Н        | $\dashv$             | -        | +        | +        | 7        | Ш, | _  | 123        | Н        |          |              | -        | Н        |                                     | Н        | $\neg$          | Г        |
|  | 苯                     | $\vdash$ | $\vdash$             |          |          |          | Н | Η        | Н          | $\vdash$ | $\vdash$   | 74            | 十            |              | Н            |          | H                    | ┪        | ┪        | 十        | 1        |    |  | 124        | Г        | П        |              | П        |          |                                     | П        |                 |          |
|  | 25                    |          |                      | $\neg$   |          |          | П |          | П          |          |  | 75            | 1            |              |              |          | $\Box$               |          | T        | T        |          | Н, |  | 125        |          |          |              |          |          |                                     |          |                 |          |
|  | 本<br>本<br>本<br>表<br>7 |          |                      |          |          |          |   |          |            |          |  | 76            |              |              |              |          |                      | $\Box$   | $\Box$   | $\perp$  |          |    |  | 126        |          |          |              |          |          |                                     |          |                 | 匚        |
|  | 27                    |          |                      |          |          |          |   |          |            |          |  | 77            | L            |              |              |          |                      | $\Box$   |          |          | _        |    |  | 127        |          | Ш        |              |          |          | Ш                                   | Ш        | Ш               | L        |
|  | 28<br>29              |          | $\Box$               |          |          |          | Ц |          |            | $\Box$   |  | 78            | ┖            |              | Ш            |          | Ц                    | _        | 4        | 4        | _        |    |  | 128        | _        | Щ        | _            |          | Ш        | Ш                                   | Ш        | $\sqcup$        | L        |
| <u> </u>   | 1                     |          | Щ                    | _        |          |          | Ш | Ш        | Ш          | Н        | <u> </u>   | 79            | ↓_           | <u> </u>     | Ш            | _        | $\vdash$             | 4        | 4        | -        | _        |    |  | 129        | $\vdash$ | Н        | _            | -        |          | _                                   | Н        | _               | ⊢        |
| <b>-</b>   | 30                    |          | $\dashv$             | _        |          | _        | Н | Н        | Н          | Н        | <u> </u>   | 80            | ╄            | H            | Н            | Н        | Н                    | -1       | +        | +        | -        |    |  | 130        | H        | $\vdash$ | -            | $\vdash$ | Н        | -                                   |          | -               | ⊢        |
|  | 31)<br>32             | $\vdash$ | ${oldsymbol{arphi}}$ | -        | Н        | -        | Н | H        | H          | $\vdash$ | -  | 81<br>82      | ╀            | ├            | Н            | Н        | Н                    | $\dashv$ | +        | +        | $\dashv$ |    |  | 132        | ⊢        | H        |              | ┢╌       | $\vdash$ | $\vdash$                            | Н        | $\dashv$        | ┢        |
| ├─   | 33                    | $\vdash$ | Н                    |          | Н        | Н        | Н | ${f H}$  | Н          | Н        | -  | 83            | $\vdash$     | ┢            | Н            | Н        | $\vdash$             | 十        | +        | $\dashv$ | $\dashv$ |    | _  | 133        | Н        | П        |              | Н        | Н        | Н                                   | Н        | H               | Г        |
| <del> </del>                                     | 34                    | $\vdash$ | H                    | -        | Н        | -        | Н | $\vdash$ | Н          | H        | <b>—</b>   | 84            | t            | t            | Н            | Н        | $\vdash$ 1           | 寸        | 十        | $\top$   | 1        |    |  | 134        | Т        |          |              |          | Г        | Г                                   |          |                 |          |
|  | 35                    | П        | М                    |          | П        |          |   | П        | П          |          |  | 85            | Г            | Г            |              |          |                      |          | $\Box$   |          |          |    |  | 135        |          |          |              |          |          |                                     |          |                 |          |
|  | 36                    |          | П                    |          |          |          |   |          |            |          |  | 86            |              |              |              |          |                      | コ        | $\Box$   | $\Box$   |          |    |  | 136        |          |          |              |          |          |                                     |          |                 | 匚        |
|  | 37                    |          |                      |          |          |          |   |          |            |          |  | 87            | Γ            |              |              | П        | $\square$            | $\Box$   | Į        | I        | _        |    |  | 137        |          |          | Ľ            |          | Щ        | $\Box$                              | Ш        | $\Box$          | L        |
|  | 38                    |          |                      | 1        |          |          |   |          |            |          | <u> </u>   | 88            | L            | _            | Ш            | Ш        | Ш                    |          | 4        | 4        | _        |    |  | 138        | <u> </u> |          | L            | L        | $\vdash$ | L                                   | Ш        | لــــا          | $\vdash$ |
| <u> </u>   | 39                    |          | Ш                    |          | Ш        | _        | Щ | Ш        | Ш          | Ш        | <u> </u>   | 89            | -            |              | $\vdash$     | Ш        | ${oldsymbol{arphi}}$ | 4        | -        | 4        | 4        |    | <u> </u>   | 139        | ├-       | -        | _            | $\vdash$ | ⊢        | <u> </u>                            | $\vdash$ | $\vdash \vdash$ | $\vdash$ |
| <u> </u>   | 40                    | L        | Н                    | _        | Щ        | <b> </b> | Н | Щ        | Н          | Н        |  | 90            | ╀            |              | $\vdash$     | Н        | $\vdash \vdash$      | -        | -+       | +        | -        |    | _  | 140        | $\vdash$ | ╀        | <del> </del> | -        | $\vdash$ | ⊢                                   | Н        | $\vdash$        | ├-       |
| <b></b> -  | 41                    | _        | dash                 | -        | Н        | <u> </u> | Н | Н        | H          | H        | <del> </del>                                     | 91<br>92      | ╀            | -            | $\vdash$     | $\vdash$ | $\vdash \vdash$      | $\dashv$ | $\dashv$ | +        | -[       |    |  | 141        | ⊢        | $\vdash$ | $\vdash$     | $\vdash$ | ├-       | <del> </del>                        | Н        | Н               | ⊢        |
| <del>                                     </del> | 42                    | -        | Н                    | Ч        | Н        | $\vdash$ | - | Н        | H          | H        |  | 93            | +-           | $\vdash$     |              | -        | $\vdash \dashv$      | -1       | +        | +        | -        |    | <del>                                     </del> | 143        | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$                            | H        | $\vdash$        | Н        |
| <del> </del>                                     | 44                    | -        | ⊢⊢                   | $\dashv$ | Н        | $\vdash$ | Н | Н        | Н          | Н        | ┰  | 94            | +            | 1            | $\vdash$     | $\vdash$ | ${oldsymbol{dash}}$  | +        | +        | +        | -        |    |  | 144        | $\vdash$ | ┰        | $\vdash$     | Т        | -        | Н                                   | Н        | М               | Н        |
| <del>                                     </del> | 45                    |          | Н                    | $\dashv$ | Н        | H        | Н | Н        | Н          | H        | <del>                                     </del> | 95            | 1            | 1-           | <del> </del> | $\vdash$ | H                    | 1        | -        | 十        | ┪        |    | _  | 145        | T        | Т        | Т            | Τ        | Г        | <u> </u>                            | Н        | П               | Г        |
| $\vdash$   | 46                    |          | Н                    |          | H        | Н        | М | Н        | Н          | Н        | $\Box$   | 96            | Τ            | 1            | Г            | Г        | Н                    | ╛        | 寸        | $\dashv$ | 7        |    | Т  | 146        | Г        | Γ        | Г            | Γ        |          | Г                                   | П        |                 | Г        |
| <del>                                     </del> | 47                    |          | Н                    | Ħ        | П        |          | П |          |            |          |  | 97            | T            | $I^-$        |              |          |                      |          |          |          |          |    |  | 147        | Γ        |          |              |          |          |                                     |          |                 |          |
|  | 48                    |          |                      |          |          |          |   |          |            |          |  | 98            |              |              |              |          |                      |          | $\Box$   | $\Box$   |          |    |  | 148        | $\Box$   |          |              |          |          |                                     |          |                 |          |
|  | 49                    |          |                      |          |          |          |   |          |            |          |  | 99            |              |              |              |          | Ш                    |          |          | $\Box$   |          |    |  | 149        |          |          | L            |          | L        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш        |                 | L        |
|  | 50                    |          |                      |          |          |          |   |          |            |          | <b>.</b>   | 100           | L            | <u> </u>     |              |          | LJ                   |          | _        |          | _}       |    | Щ.   | 150        | 1        |          |              | <u> </u> | <u> </u> | L                                   |          | ٔــــا          | L        |